

SEQUENCE LISTING

5 <110> Syngenta Biotechnology, Inc.
Grina, Jonas

<120> NOVEL CYANOENAMINES USEFUL AS LIGANDS FOR MODULATING GENE EXPRESSION
IN PLANTS OR ANIMALS
10 <130> 1392/2/2

<150> 60/272,905

15 <151> 2001-03-02

<160> 12

<170> PatentIn version 3.1

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35 ctccggattg tggtgtgact gaaaagcgcac gcgtatcgat gtcgaagatt ctctataagt 180
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40 gttcatgccc gtagagacgc gtttagatag ttatggcgag gaaaagtga agtggaaagcc 300
tacgtcagag gatgtccctc ggtggtcacg gaagccgggg cgtgtacgc gctcttcgac 360
45 atg aga cgc cgc tgg tca aac aac gga tgt ttc cct ctg cga atg ttt 408
Met Arg Arg Arg Trp Ser Asn Asn Gly Cys Phe Pro Leu Arg Met Phe
1 5 10 15
50 gag gag agc tcc tct gaa gtg act tct tcc tcg gcg ttc ggg atg ccg 456
Glu Glu Ser Ser Ser Glu Val Thr Ser Ser Ala Phe Gly Met Pro
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gcg gcc atg gta atg tca ccg gag tcg ctg gcg tcg cca gag tac ggc 504
Ala Ala Met Val Met Ser Pro Glu Ser Leu Ala Ser Pro Glu Tyr Gly
35 40 45
55

9	gc ctc gag ctc tgg agc tac gat gag acc atg aca aac tat ccg gcg Gly Leu Glu Leu Trp Ser Tyr Asp Glu Thr Met Thr Asn Tyr Pro Ala	552
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5	cag tca ctg ctc ggc gcg tgg aat gcg ccg cag cag cag caa cag Gln Ser Leu Leu Gly Ala Cys Asn Ala Pro Gln Gln Gln Gln Gln	600
	65 70 75 80	
10	caa caa cag cag ccg tcc gct cag ccg ctg ccg tct atg ccg ctg ccg Gln Gln Gln Pro Ser Ala Gln Pro Leu Pro Ser Met Pro Leu Pro	648
	85 90 95	
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	100 105 110	
20	cga gaa gaa tta tca ccg gcc tca agt ata aat gga tgt agt act gat Arg Glu Glu Leu Ser Pro Ala Ser Ser Ile Asn Gly Cys Ser Thr Asp	744
	115 120 125	
25	ggg gaa cca aga cga cag aag aaa ggg cca gcg ccg cgc cag cag gag Gly Glu Pro Arg Arg Gln Lys Lys Gly Pro Ala Pro Arg Gln Gln Glu	792
	130 135 140	
30	gaa ctg tgc ctt gtt tgc ggc gac agg gct tcg gga tat cac tat aac Glu Leu Cys Leu Val Cys Gly Asp Arg Ala Ser Gly Tyr His Tyr Asn	840
	145 150 155 160	
35	gcg ctt acg tgc gaa gga tgt aaa ggg ttc ttc agg cgg agt gtg acc Ala Leu Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Val Thr	888
	165 170 175	
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	ttc cta acg gag aag cta atg gag cag aac aga ctg aag aat gtg acg	1224
	Phe Leu Thr Glu Lys Leu Met Glu Gln Asn Arg Leu Lys Asn Val Thr	
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5	ccg ctg tcg gcg aac cag aag tcc ctg atc gcg agg ctc gtg tgg tac	1272
	Pro Leu Ser Ala Asn Gln Lys Ser Leu Ile Ala Arg Leu Val Trp Tyr	
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10	cag gag ggg tac gag cag ccg tcg gag gaa gat ctc aag aga gtt aca	1320
	Gln Glu Gly Tyr Glu Gln Pro Ser Glu Glu Asp Leu Lys Arg Val Thr	
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15	cag aca tgg cag tta gaa gaa gaa gag gag gaa act gac atg ccc	1368
	Gln Thr Trp Gln Leu Glu Glu Glu Glu Thr Asp Met Pro	
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	Phe Arg Gln Ile Thr Glu Met Thr Ile Leu Thr Val Gln Leu Ile Val	
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20	gaa ttc gca aag gga cta ccg gga ttc tcc aag ata tct cag tcc gat	1464
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25	caa att aca tta tta aag gcg tca tca agc gaa gtg atg atg ctg cga	1512
	Gln Ile Thr Leu Leu Lys Ala Ser Ser Ser Glu Val Met Met Leu Arg	
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	Val Ala Arg Arg Tyr Asp Ala Ala Thr Asp Ser Val Leu Phe Ala Asn	
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40	gtc atc gag gac ctg ctg cac ttc tgt cgg tgt atg tac tcc atg agc	1656
	Val Ile Glu Asp Leu Leu His Phe Cys Arg Cys Met Tyr Ser Met Ser	
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	atg gac aat gtg cac tac gcg ctg ctc acc gcc atc gtt ata ttc tca	1704
	Met Asp Asn Val His Tyr Ala Leu Leu Thr Ala Ile Val Ile Phe Ser	
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	Asp Arg Pro Gly Leu Glu Gln Pro Leu Leu Val Glu Glu Ile Gln Arg	
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55	tcg cct cgc tgc gcc gtg ctg ttc ggc aag atc ctc ggc gtg ctg acg	1848
	Ser Pro Arg Cys Ala Val Leu Phe Gly Lys Ile Leu Gly Val Leu Thr	
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5 aag ctg aag aac agg aaa ctt ccg cca ttc ctc gag gag atc tgg gac 1944
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10 gtg gcc gaa gtg tcg acg acg cag ccg acg ccg ggg gtg gcg gcg cag 1992
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Gly Leu Glu Leu Trp Ser Tyr Asp Glu Thr Met Thr Asn Tyr Pro Ala
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10 Gln Ser Leu Leu Gly Ala Cys Asn Ala Pro Gln Gln Gln Gln Gln
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Gln Gln Gln Pro Ser Ala Gln Pro Leu Pro Ser Met Pro Leu Pro
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Met Pro Pro Thr Thr Pro Lys Ser Glu Asn Glu Ser Met Ser Ser Gly
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20 Arg Glu Glu Leu Ser Pro Ala Ser Ser Ile Asn Gly Cys Ser Thr Asp
115 120 125

25 Gly Glu Pro Arg Arg Gln Lys Lys Gly Pro Ala Pro Arg Gln Gln Glu
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65 Asp Pro Pro Pro Glu Ala Ala Arg Ile His Glu Val Val Pro Arg
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